

**United States Environmental Protection Agency  
Region 7  
300 Minnesota Avenue  
Kansas City, KS 66101**

**Date:** 04/24/2019

**Subject:** Transmittal of Sample Analysis Results for ASR #: 8209

Project ID: TJAAEEP4S

Project Description: Alt-En Ethanol Plant - NDEQ ASR

**From:** Margaret E.W. St. Germain, Chief  
Laboratory Technology & Analysis Branch  
Laboratory Services and Applied Sciences Division

**To:** Tabatha Adkins  
ENST/LTAB

Enclosed are the analytical data for the above-referenced Analytical Services Request (ASR) and Project. These results are based on samples as received at the Science and Technology Center. The Regional Laboratory has reviewed and verified the results in accordance with procedures described in our Quality Manual (QM). In addition to all of the analytical results, this transmittal contains pertinent information that may have influenced the reported results and documents any deviations from the established requirements of the QM.

Please ensure that you file this electronic (.pdf only) transmittal in your records management system. The Regional Laboratory will now retain all of the original hardcopy documentation (e.g. COC[s] and the R7LIMS field sheet[s], etc.) according to our ENST records management system.

Please contact us within 14 days of receipt of this package if you determine there is a need for any changes. Please complete the Online ASR Sample/Data Disposition and Customer Survey for this ASR as soon as possible. The process of disposing of the samples for this ASR will be initiated 30 days from the date of this transmittal unless an alternate release date is specified on the Online ASR Sample/Data Disposition and Customer Survey. It is critical that we receive your response in accordance to RCRA and the laboratory accreditation.

If you have any questions or concerns relating to this data package, contact our customer service line at 913-551-5295.

**Project Manager:** Tabatha Adkins**Org:** ENST/LTAB**Phone:** 913-551-7128**Project ID:** TJAAEEP4S**QAPP Number:** NDEQ**Project Desc:** Alt-En Ethanol Plant - NDEQ ASR**Location:** Mead**State:** Nebraska**Program:** Water Enforcement**Purpose:** Site Characterization**GPRA PRC:** 000E50

This screening/characterization event is in response to recent complaints of odor and other concerns.

Additional field contact is: Wade Gregson, NDEQ (402-601-1011).

Per NDEQ submitted ASR on 4/4/2019: This ASR is not part of a litigation hold at this time.

### Explanation of Codes, Units and Qualifiers used on this report

**Sample QC Codes:** QC Codes identify the type of sample for quality control purpose.

**Units:** Specific units in which results are reported.

\_\_\_ = Field Sample

mg/L = Milligrams per Liter

% = Percent

ug/L = Micrograms per Liter

mg/kg = Milligrams per Kilogram

**Data Qualifiers:** Specific codes used in conjunction with data values to provide additional information on the quality of reported results, or used to explain the absence of a specific value.

(Blank) = Values have been reviewed and found acceptable for use.

J = The identification of the analyte is acceptable; the reported value is an estimate.

UJ = The analyte was not detected at or above the reporting limit. The reporting limit is an estimate.

U = The analyte was not detected at or above the reporting limit.

**ASR Number:** 8209

**Sample Information Summary**

**04/24/2019**

**Project ID:** TJAAEEP4S

**Project Desc:** Alt-En Ethanol Plant - NDEQ ASR

| Sample No | QC Code | Matrix | Location Description         | External Sample No | Start Date | Start Time | End Date | End Time | Receipt Date |
|-----------|---------|--------|------------------------------|--------------------|------------|------------|----------|----------|--------------|
| 1 - ____  |         | Solid  | Wet cake sample              |                    | 04/08/2019 | 11:00      |          |          | 04/09/2019   |
| 2 - ____  |         | Water  | West Lagoon water sample     |                    | 04/08/2019 | 12:35      |          |          | 04/09/2019   |
| 3 - ____  |         | Water  | Overflow Lagoon water sample |                    | 04/08/2019 | 13:30      |          |          | 04/09/2019   |
| 4 - ____  |         | Solid  | Seed corn sample             |                    | 04/08/2019 | 13:30      |          |          | 04/09/2019   |

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**Analysis      Comments About Results For This Analysis**

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## 1    Mercury in Soil or Sediment

**Lab:** Region 7 EPA Laboratory - Kansas City, Ks.**Method:** EPA Region 7 RLAB Method 3121.23E**Basis:** Dry**Samples:** 1-\_\_      4-\_\_**Comments:**  
(N/A)

## 1    Metals in Solids by ICP-AES

**Lab:** Region 7 EPA Laboratory - Kansas City, Ks.**Method:** EPA Region 7 RLAB Method 3122.3G**Basis:** Dry**Samples:** 1-\_\_      4-\_\_**Comments:**

Barium was J-coded in sample 1. Although the analyte in question has been positively identified in the sample, the quantitation is an estimate (J-coded) due to low recovery of this analyte in the laboratory matrix spike. The actual concentration for this analyte may be higher than the reported value.

## 1    Percent Solid

**Lab:** Region 7 EPA Laboratory - Kansas City, Ks.**Method:** EPA Region 7 RLAB Method 3142.9H**Basis:** N/A**Samples:** 1-\_\_      4-\_\_**Comments:**  
(N/A)

## 1    TCLP Mercury in Soil

**Lab:** Region 7 EPA Laboratory - Kansas City, Ks.**Method:** EPA Region 7 RLAB Method 3121.23E applied to TCLP extracts**Basis:** N/A**Samples:** 1-\_\_      4-\_\_**Comments:**

## 1    TCLP Metals in Soil

**Lab:** Region 7 EPA Laboratory - Kansas City, Ks.**Method:** EPA Region 7 RLAB Method 3122.3G TCLP

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**Analysis      Comments About Results For This Analysis**

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**Basis:** N/A

**Samples:** 1-\_\_\_      4-\_\_\_

**Comments:**

1    Mercury in Water

**Lab:** Region 7 EPA Laboratory - Kansas City, Ks.

**Method:** EPA Region 7 RLAB Method 3121.23E

**Samples:** 2-\_\_\_      3-\_\_\_

**Comments:**

(N/A)

1    Metals in Water by ICP-AES

**Lab:** Region 7 EPA Laboratory - Kansas City, Ks.

**Method:** EPA Region 7 RLAB Method 3122.3G

**Samples:** 2-\_\_\_      3-\_\_\_

**Comments:**

Aluminum was J-coded in sample 2. Although the analyte in question has been positively identified in the sample, the quantitation is an estimate (J-coded) due to high recovery of this analyte in the laboratory matrix spike. The actual concentration for this analyte may be lower than the reported value.

Nickel was J-coded in sample 2. Although the analyte in question has been positively identified in the sample, the quantitation is an estimate (J-coded) due to low recovery of this analyte in the laboratory matrix spike. The actual concentration for this analyte may be higher than the reported value.

Antimony, Cadmium, Lead, Molybdenum, Selenium, Silver, Thallium, Titanium was each UJ-coded in sample 2. This analyte was not found in the sample at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to low recovery of this analyte in the laboratory matrix spike. The actual reporting limit for this analyte may be higher than the reported value.

1    TCLP Mercury in Water

**Lab:** Region 7 EPA Laboratory - Kansas City, Ks.

**Method:** EPA Region 7 RLAB Method 3121.23E applied to TCLP extracts

**Samples:** 2-\_\_\_      3-\_\_\_

**Comments:**

1    TCLP Metals in Water

**Lab:** Region 7 EPA Laboratory - Kansas City, Ks.

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| Analysis | Comments About Results For This Analysis |
|----------|--|
|----------|--|

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**Method:** EPA Region 7 RLAB Method 3122.3G TCLP

**Samples:** 2-\_\_ 3-\_\_

**Comments:**

Lead was UJ-coded in sample 2. This analyte was not found in the sample at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to low recovery of this analyte in the laboratory matrix spike. The actual reporting limit for this analyte may be higher than the reported value.

| Analysis/ Analyte             | Units | 1-__     | 2-__    | 3-__    | 4-__     |
|-------------------------------|-------|----------|---------|---------|----------|
| 1 Mercury in Soil or Sediment |       |          |         |         |          |
| Mercury                       | mg/kg | 0.0112   |         |         | 0.00179  |
| 1 Metals in Solids by ICP-AES |       |          |         |         |          |
| Aluminum                      | mg/kg | 2420     |         |         | 7.5      |
| Antimony                      | mg/kg | 1.9 U    |         |         | 2.0 U    |
| Arsenic                       | mg/kg | 4.8 U    |         |         | 5.0 U    |
| Barium                        | mg/kg | 42.3 J   |         |         | 2.0 U    |
| Beryllium                     | mg/kg | 1.0 U    |         |         | 1.0 U    |
| Cadmium                       | mg/kg | 1.0 U    |         |         | 1.0 U    |
| Calcium                       | mg/kg | 2640     |         |         | 49.6 U   |
| Chromium                      | mg/kg | 3.4      |         |         | 2.0 U    |
| Cobalt                        | mg/kg | 1.7      |         |         | 1.0 U    |
| Copper                        | mg/kg | 13.6     |         |         | 2.4      |
| Iron                          | mg/kg | 3270     |         |         | 19.3     |
| Lead                          | mg/kg | 4.8 U    |         |         | 5.0 U    |
| Magnesium                     | mg/kg | 1610     |         |         | 991      |
| Manganese                     | mg/kg | 124      |         |         | 5.0 U    |
| Molybdenum                    | mg/kg | 1.9 U    |         |         | 2.0 U    |
| Nickel                        | mg/kg | 4.2      |         |         | 2.0 U    |
| Potassium                     | mg/kg | 3960     |         |         | 3730     |
| Selenium                      | mg/kg | 9.7 U    |         |         | 9.9 U    |
| Silver                        | mg/kg | 1.9 U    |         |         | 2.0 U    |
| Sodium                        | mg/kg | 694      |         |         | 49.6 U   |
| Thallium                      | mg/kg | 9.7 U    |         |         | 9.9 U    |
| Vanadium                      | mg/kg | 5.9      |         |         | 5.0 U    |
| Zinc                          | mg/kg | 262      |         |         | 18.4     |
| 1 Percent Solid               |       |          |         |         |          |
| Solids, percent               | %     | 39.2     |         |         | 89.8     |
| 1 TCLP Mercury in Soil        |       |          |         |         |          |
| Mercury                       | mg/L  | 0.000440 |         |         | 0.000350 |
| 1 TCLP Metals in Soil         |       |          |         |         |          |
| Arsenic                       | mg/L  | 0.050 U  |         |         | 0.050 U  |
| Barium                        | mg/L  | 0.674    |         |         | 0.016 U  |
| Cadmium                       | mg/L  | 0.010    |         |         | 0.005 U  |
| Chromium                      | mg/L  | 0.078    |         |         | 0.015 U  |
| Lead                          | mg/L  | 0.050 U  |         |         | 0.050 U  |
| Selenium                      | mg/L  | 0.066    |         |         | 0.050 U  |
| Silver                        | mg/L  | 0.025 U  |         |         | 0.025 U  |
| 1 Mercury in Water            |       |          |         |         |          |
| Mercury                       | ug/L  |          | 0.250 U | 0.250 U |          |
| 1 Metals in Water by ICP-AES  |       |          |         |         |          |
| Aluminum                      | ug/L  |          | 1580 J  | 60200   |          |
| Antimony                      | ug/L  |          | 50 UJ   | 50 U    |          |
| Arsenic                       | ug/L  |          | 25 U    | 25 U    |          |
| Barium                        | ug/L  |          | 164     | 727     |          |
| Beryllium                     | ug/L  |          | 3 U     | 3 U     |          |

**ASR Number:** 8209**RLAB Approved Sample Analysis Results****04/24/2019****Project ID:** TJAAEEP4S**Project Desc:** Alt-En Ethanol Plant - NDEQ ASR

| Analysis/ Analyte       | Units | 1-__ | 2-__       | 3-__     | 4-__ |
|-------------------------|-------|------|------------|----------|------|
| Cadmium                 | ug/L  |      | 3 UJ       | 3 U      |      |
| Calcium                 | mg/L  |      | 97.6       | 616      |      |
| Chromium                | ug/L  |      | 37         | 96       |      |
| Cobalt                  | ug/L  |      | 10 U       | 18       |      |
| Copper                  | ug/L  |      | 77         | 1660     |      |
| Iron                    | ug/L  |      | 6640       | 67700    |      |
| Lead                    | ug/L  |      | 50 UJ      | 97.2     |      |
| Magnesium               | mg/L  |      | 246        | 150      |      |
| Manganese               | ug/L  |      | 1130       | 2080     |      |
| Molybdenum              | ug/L  |      | 15 UJ      | 24       |      |
| Nickel                  | ug/L  |      | 39 J       | 130      |      |
| Potassium               | mg/L  |      | 848        | 320      |      |
| Selenium                | ug/L  |      | 50 UJ      | 111      |      |
| Silver                  | ug/L  |      | 25 UJ      | 25 U     |      |
| Sodium                  | mg/L  |      | 414        | 256      |      |
| Thallium                | ug/L  |      | 50 UJ      | 50 U     |      |
| Titanium                | ug/L  |      | 20 UJ      | 105      |      |
| Vanadium                | ug/L  |      | 10 U       | 127      |      |
| Zinc                    | ug/L  |      | 3060       | 14900    |      |
| 1 TCLP Mercury in Water |       |      |            |          |      |
| Mercury                 | mg/L  |      | 0.000250 U | 0.000530 |      |
| 1 TCLP Metals in Water  |       |      |            |          |      |
| Arsenic                 | mg/L  |      | 0.050 U    | 0.050 U  |      |
| Barium                  | mg/L  |      | 0.122      | 0.070    |      |
| Cadmium                 | mg/L  |      | 0.005 U    | 0.005 U  |      |
| Chromium                | mg/L  |      | 0.091      | 0.087    |      |
| Lead                    | mg/L  |      | 0.050 UJ   | 0.050 U  |      |
| Selenium                | mg/L  |      | 0.050 U    | 0.050 U  |      |
| Silver                  | mg/L  |      | 0.025 U    | 0.025 U  |      |

# CHAIN OF CUSTODY RECORD

ENVIRONMENTAL PROTECTION AGENCY REGION VII

EPA PROJECT MANAGER (Print)

SITE OR SAMPLING EVENT

DATE OF SAMPLE COLLECTION(S)

SHEET

*Tabatha Atkins* (EPA PM - Region 7)  
*Daniel LeMaistre*

*Alt-En Ethanol Plant*

*4* MONTH *8* DAY *2019* YEAR

*1* of *1*

## CONTENTS OF SHIPMENT

| ASR AND SAMPLE NUMBER  | TYPE OF CONTAINERS |                  |        |        |                      | SAMPLED MEDIA |          |           |     |       | RECEIVING LABORATORY REMARKS OTHER INFORMATION (condition of samples upon receipt, other sample numbers, etc.) |
|--|--------------------|------------------|--------|--------|----------------------|---------------|----------|-----------|-----|-------|--|
|  | 1 L PLASTIC BOTTLE | 1 L GLASS BOTTLE | BOTTLE | BOTTLE | VOA SET (3 VIALS EA) | WATER         | SOLID    | HAZ WASTE | AIR | OTHER |  |
| <i>8290-1</i>  |                    | <i>2</i>         |        |        |                      |               | <i>X</i> |           |     |       |  |
| <i>8290-2</i>  | <i>1</i>           | <i>1</i>         |        |        |                      | <i>X</i>      |          |           |     |       |  |
| <i>8290-3</i>  | <i>1</i>           | <i>1</i>         |        |        |                      | <i>X</i>      |          |           |     |       | <i>RSEC corrected RFLim 5</i>  |
| <i>829-4</i>   |                    | <i>2</i>         |        |        |                      |               | <i>X</i> |           |     |       | <i>AR # to show 8209 not 8290 on COC + tags @ SR ~4/9/19</i>   |
| <i>Alt-En Ethanol Plant</i><br><i>8209-Complete</i><br><i>4/9/19</i><br><i>Chr. Temp. Rec'd bet. 4.9-6.2°C</i> |                    |                  |        |        |                      |               |          |           |     |       |  |
|  |                    |                  |        |        |                      |               |          |           |     |       |  |
|  |                    |                  |        |        |                      |               |          |           |     |       |  |
|  |                    |                  |        |        |                      |               |          |           |     |       |  |
|  |                    |                  |        |        |                      |               |          |           |     |       |  |
|  |                    |                  |        |        |                      |               |          |           |     |       |  |
|  |                    |                  |        |        |                      |               |          |           |     |       |  |
|  |                    |                  |        |        |                      |               |          |           |     |       |  |
|  |                    |                  |        |        |                      |               |          |           |     |       |  |
|  |                    |                  |        |        |                      |               |          |           |     |       |  |

## DESCRIPTION OF SHIPMENT

## MODE OF SHIPMENT

*4/9/19*

*8* CONTAINER(S) CONSISTING OF \_\_\_\_\_ CRATE(S)

COMMERCIAL CARRIER *UPS*

*1* ICE CHEST(S): OTHER \_\_\_\_\_

SAMPLER CONVEYED \_\_\_\_\_

(SHIPPING AIRBILL NUMBER)

## PERSONNEL CUSTODY RECORD

|  |                       |                     |   |                       |                      |  |
|--|-----------------------|---------------------|---|-----------------------|----------------------|--|
| RELINQUISHED BY (PM/SAMPLER)<br><i>Wade Oreg</i><br><input checked="" type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED | DATE<br><i>4/8/19</i> | TIME<br><i>1530</i> | RECEIVED BY<br><i>Keith Duf</i><br><input checked="" type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED     | DATE<br><i>4/8/19</i> | TIME<br><i>1535</i>  | REASON FOR CHANGE OF CUSTODY<br><i>To ship samples</i> |
| RELINQUISHED BY (PM/SAMPLER)<br><i>Keith Duf</i><br><input checked="" type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED | DATE<br><i>4/8/19</i> | TIME<br><i>1720</i> | RECEIVED BY<br><i>Michelle Rapp</i><br><input checked="" type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED | DATE<br><i>4/9/19</i> | TIME<br><i>1100A</i> | REASON FOR CHANGE OF CUSTODY<br><i>Analys</i>          |
| RELINQUISHED BY (PM/SAMPLER)<br><input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED                                | DATE                  | TIME                | RECEIVED BY<br><input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED                                    | DATE                  | TIME                 | REASON FOR CHANGE OF CUSTODY                           |
| RELINQUISHED BY (PM/SAMPLER)<br><input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED                                | DATE                  | TIME                | RECEIVED BY<br><input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED                                    | DATE                  | TIME                 | REASON FOR CHANGE OF CUSTODY                           |

**Sample Collection Field Sheet**  
**US EPA Region 7**  
**Kansas City, KS**

**ASR Number:** 8209    **Sample Number:** 1    **QC Code:** \_\_\_\_    **Matrix:** Solid    **Tag ID:** 8209-1-\_\_\_\_

**Project ID:** TJAAEEP4S    **Project Manager:** Tabatha Adkins  
**Project Desc:** Alt-En Ethanol Plant - NDEQ ASR  
**City:** Mead    **State:** Nebraska  
**Program:** Water Enforcement

**Location Desc:** Wet cake sample

**Storet ID:** \_\_\_\_\_    **External Sample Number:** \_\_\_\_\_

**Expected Conc:** \_\_\_\_\_ (or Circle One: Low Medium High)    **Date**    **Time(24 hr)**

**Latitude:** \_\_\_\_ \_\_\_\_ \_\_\_\_    **Sample Collection: Start:** 04/08/2019    11:00

**Longitude:** \_\_\_\_ \_\_\_\_ \_\_\_\_    **End:** \_\_\_\_/\_\_\_\_/\_\_\_\_    \_\_\_\_:\_\_\_\_

**Laboratory Analyses:**

| Container      | Preservative | Holding Time | Analysis                      |
|----------------|--------------|--------------|-------------------------------|
| 1 - 8 oz glass | 4 Deg C      | 28 Days      | 1 Mercury in Soil or Sediment |
| 1 - 8 oz glass | 4 Deg C      | 180 Days     | 1 Metals in Solids by ICP-AES |
| 1 - 8 oz glass | 4 Deg C      | 180 Days     | 1 TCLP Metals in Soil         |
| 1 - 8 oz glass | None         | 28 Days      | 1 TCLP Mercury in Soil        |
| 0 -            | 4 Deg C      | 0 Days       | 1 Percent Solid               |

**Sample Comments:**

(N/A)

**Sample Collected By:** NDEQ

**Sample Collection Field Sheet**  
**US EPA Region 7**  
**Kansas City, KS**

**ASR Number:** 8209    **Sample Number:** 2    **QC Code:** \_\_\_\_    **Matrix:** Water    **Tag ID:** 8209-2-\_\_\_\_

**Project ID:** TJAAEEP4S    **Project Manager:** Tabatha Adkins  
**Project Desc:** Alt-En Ethanol Plant - NDEQ ASR  
**City:** Mead    **State:** Nebraska  
**Program:** Water Enforcement

**Location Desc:** West Lagoon water sample

**Storet ID:** \_\_\_\_\_    **External Sample Number:** \_\_\_\_\_

**Expected Conc:** \_\_\_\_\_ (or Circle One: Low Medium High)    **Date**    **Time(24 hr)**

**Latitude:** \_\_\_\_ \_\_\_\_ \_\_\_\_    **Sample Collection: Start:** 04/08/2019    12:35

**Longitude:** \_\_\_\_ \_\_\_\_ \_\_\_\_    **End:** \_\_\_\_/\_\_\_\_/\_\_\_\_    \_\_\_\_:\_\_\_\_

**Laboratory Analyses:**

| Container                  | Preservative                        | Holding Time | Analysis                     |
|----------------------------|-------------------------------------|--------------|------------------------------|
| 1 - 1 Liter plastic bottle | 5 mL of HNO <sub>3</sub> /L to pH<2 | 28 Days      | 1 Mercury in Water           |
| 1 - 1 Liter plastic bottle | HNO <sub>3</sub> acidify, 4 Deg C   | 180 Days     | 1 Metals in Water by ICP-AES |
| 1 - 1 Liter plastic bottle | None                                | 28 Days      | 1 TCLP Mercury in Water      |
| 1 - 8 oz glass             | 4 Deg C                             | 180 Days     | 1 TCLP Metals in Water       |

**Sample Comments:**

(N/A)

**Sample Collected By:** NDEQ

**Sample Collection Field Sheet**  
**US EPA Region 7**  
**Kansas City, KS**

**ASR Number:** 8209    **Sample Number:** 3    **QC Code:** \_\_\_\_    **Matrix:** Water    **Tag ID:** 8209-3-\_\_\_\_

**Project ID:** TJAAEEP4S    **Project Manager:** Tabatha Adkins  
**Project Desc:** Alt-En Ethanol Plant - NDEQ ASR  
**City:** Mead    **State:** Nebraska  
**Program:** Water Enforcement

**Location Desc:** Overflow Lagoon water sample

**Storet ID:** \_\_\_\_\_    **External Sample Number:** \_\_\_\_\_

**Expected Conc:** \_\_\_\_\_ (or Circle One: Low Medium High)    **Date**    **Time(24 hr)**

**Latitude:** \_\_\_\_ \_\_\_\_ \_\_\_\_    **Sample Collection: Start:** 04/08/2019    13:30

**Longitude:** \_\_\_\_ \_\_\_\_ \_\_\_\_    **End:** \_\_\_\_/\_\_\_\_/\_\_\_\_    \_\_\_\_:\_\_\_\_

**Laboratory Analyses:**

| Container                  | Preservative                        | Holding Time | Analysis                     |
|----------------------------|-------------------------------------|--------------|------------------------------|
| 1 - 1 Liter plastic bottle | 5 mL of HNO <sub>3</sub> /L to pH<2 | 28 Days      | 1 Mercury in Water           |
| 1 - 1 Liter plastic bottle | HNO <sub>3</sub> acidify, 4 Deg C   | 180 Days     | 1 Metals in Water by ICP-AES |
| 1 - 1 Liter plastic bottle | None                                | 28 Days      | 1 TCLP Mercury in Water      |
| 1 - 8 oz glass             | 4 Deg C                             | 180 Days     | 1 TCLP Metals in Water       |

**Sample Comments:**

(N/A)

**Sample Collected By:** NDEQ

**Sample Collection Field Sheet**  
**US EPA Region 7**  
**Kansas City, KS**

**ASR Number:** 8209    **Sample Number:** 4    **QC Code:** \_\_\_\_    **Matrix:** Solid    **Tag ID:** 8209-4-\_\_\_\_

**Project ID:** TJAAEEP4S    **Project Manager:** Tabatha Adkins  
**Project Desc:** Alt-En Ethanol Plant - NDEQ ASR  
**City:** Mead    **State:** Nebraska  
**Program:** Water Enforcement

**Location Desc:** Seed corn sample

**Storet ID:** \_\_\_\_\_    **External Sample Number:** \_\_\_\_\_

**Expected Conc:** \_\_\_\_\_ (or Circle One: Low Medium High)    **Date**    **Time(24 hr)**

**Latitude:** \_\_\_\_ \_\_\_\_ \_\_\_\_    **Sample Collection: Start:** 04/08/2019    13:30

**Longitude:** \_\_\_\_ \_\_\_\_ \_\_\_\_    **End:** \_\_\_\_/\_\_\_\_/\_\_\_\_    \_\_\_\_:\_\_\_\_

**Laboratory Analyses:**

| Container      | Preservative | Holding Time | Analysis                      |
|----------------|--------------|--------------|-------------------------------|
| 1 - 8 oz glass | 4 Deg C      | 28 Days      | 1 Mercury in Soil or Sediment |
| 1 - 8 oz glass | 4 Deg C      | 180 Days     | 1 Metals in Solids by ICP-AES |
| 1 - 8 oz glass | 4 Deg C      | 180 Days     | 1 TCLP Metals in Soil         |
| 1 - 8 oz glass | None         | 28 Days      | 1 TCLP Mercury in Soil        |
| 0 -            | 4 Deg C      | 0 Days       | 1 Percent Solid               |

**Sample Comments:**

(N/A)

**Sample Collected By:** NDEQ